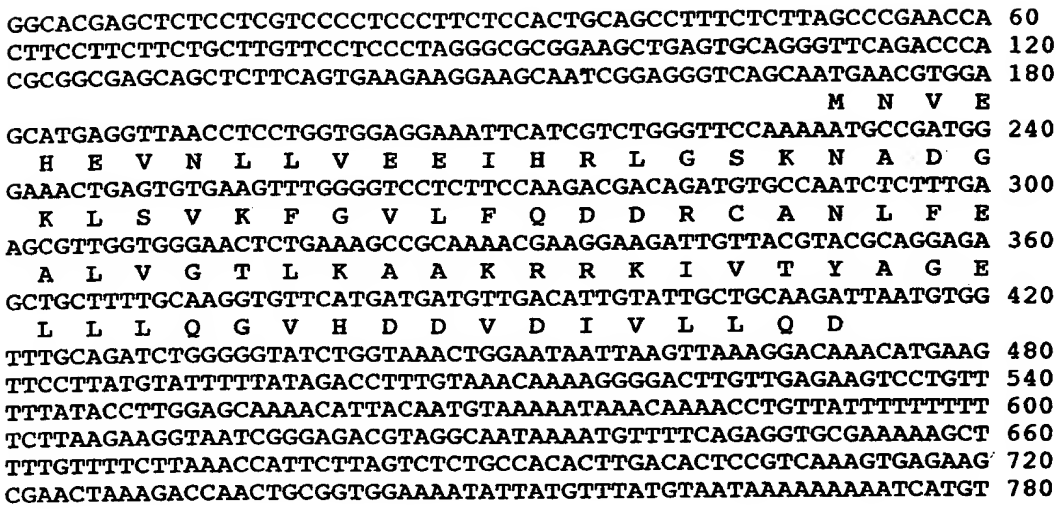
Figure 1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CGCGGCGAGCAGCTCTTCAGTGAAGAAGGAAGCAATCGGAGGGTCAGCAATGAACGTGGA 180
M N V E
GCATGAGGTTAACCTCCTGGTGGAGGAAATTCATCGTCTGGGTTCCAAAAATGCCGATGG 240
H E V N L L V E E I H R L G S K N A D G
GAAACTGAGTGTGAAGTTTGGGGTCCTCTTCCAAGACGACAGATGTGCCAATCTCTTTGA 300
K L S V K F G V L F Q D D R C A N L F E
AGCGTTGGTGGGAACTCTGAAAGCCGCAAAACGAAGGAAGATTGTTACGTACGCAGGAGA 360
A L V G T L K A A K R R K I V T Y A G E
GCTGCTTTTGCAAGGTGTTCATGATGATGTTGACATTGTATTGCTGCAAGATTAATGTGG 420
L L L Q G V H D D V D I V L L Q D
TTTGCAGATCTGGGGGTATCTGGTAAACTGGAATAATTAAGTTAAAGGACAAACATGAAG 480
TTCCTTATGTATTTTTATAGACCTTTGTAAACAAAAGGGGACTTGTTGAGAAGTCCTGTT 540
TTTATACCTTGGAGCAAAACATTACAATGTAAAAATAAACAAAACCTGTTATTTTTTTTT 600
TCTTAAGAAGGTAATCGGGAGACGTAGGCAATAAAATGTTTTCAGAGGTGCGAAAAAGCT 660
TTTGTTTTCTTAAACCATTCTTAGTCTCTGCCACACTTGACACTCCGTCAAAGTGAGAAG 720
CGAACTAAAGACCAACTGCGGTGGAAAATATTATGTTTATGTAATAAAAAAAAATCATGT 780

Figure 2

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GGCACGAGGCTTGAGCGCAGAAACACTTACTTTTCCCCCTACCCTGCTCCTCCTCCTCCA  60
CAGCCGTCTTTCTCTTTGCCTCAGCCACTTCCTTCCTTCGCCTCACCCTCCCCAGTGCAC  120
TGAAGAAGGTAACCGGGTCCAGACCCACGCGGCGCCAGTTCTCCGGCGGGAAGGAAAACC  180
GCGCAGAGAGGCAGCAATGAATGTGGATCACGAGGTTAACCTCTTAGTGGAGGAAATTCA  240
                 M  N  V  D  H  E  V  N  L  L  V  E  E  I  H
TCGTTTGGGTTCAAAAAATGCTGATGGAAAGTTAAGCGTGAAATTTGGGGTCCTCTTCCG  300
  R  L  G  S  K  N  A  D  G  K  L  S  V  K  F  G  V  L  F  R
TGATGATAAATGTGCCAACCTCTTTGAAGCATTGGTAGGAACTCTTAAAGCTGCAAAACG  360
  D  D  K  C  A  N  L  F  E  A  L  V  G  T  L  K  A  A  K  R
AAGGAAGATTGTAACATATCCAGGAGAGCTGCTTCTGCAAGGTGTTCATGATGATGTTGA  420
  R  K  I  V  T  Y  P  G  E  L  L  L  Q  G  V  H  D  D  V  D
CATTATATTACTGCAAGATTAATGTGGTTTACATATCTTTATGTACTGCCATTTTTTGTT  480
  I  I  L  L  Q  D
TCTGGTAAACTGGAATATAAAGTGAAAGAACAAACATTTGAACATACTTAATGTATTTTT  540
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GAAAGAAAATCTATGTATGATGCTATAAAATAAATCCTATTATTTTTCTCAGGAATCTGG  660
TTAGGAATTGCAGGCAATGAGATTTTTTGCGGGGCAGGGATGGGAATGTTTGTTCATAAA  720
TAATTAGACATTTTCTATAGATATTTGACATTCTGCGAAAGCAACAAGCAAACTGAAGAC  780
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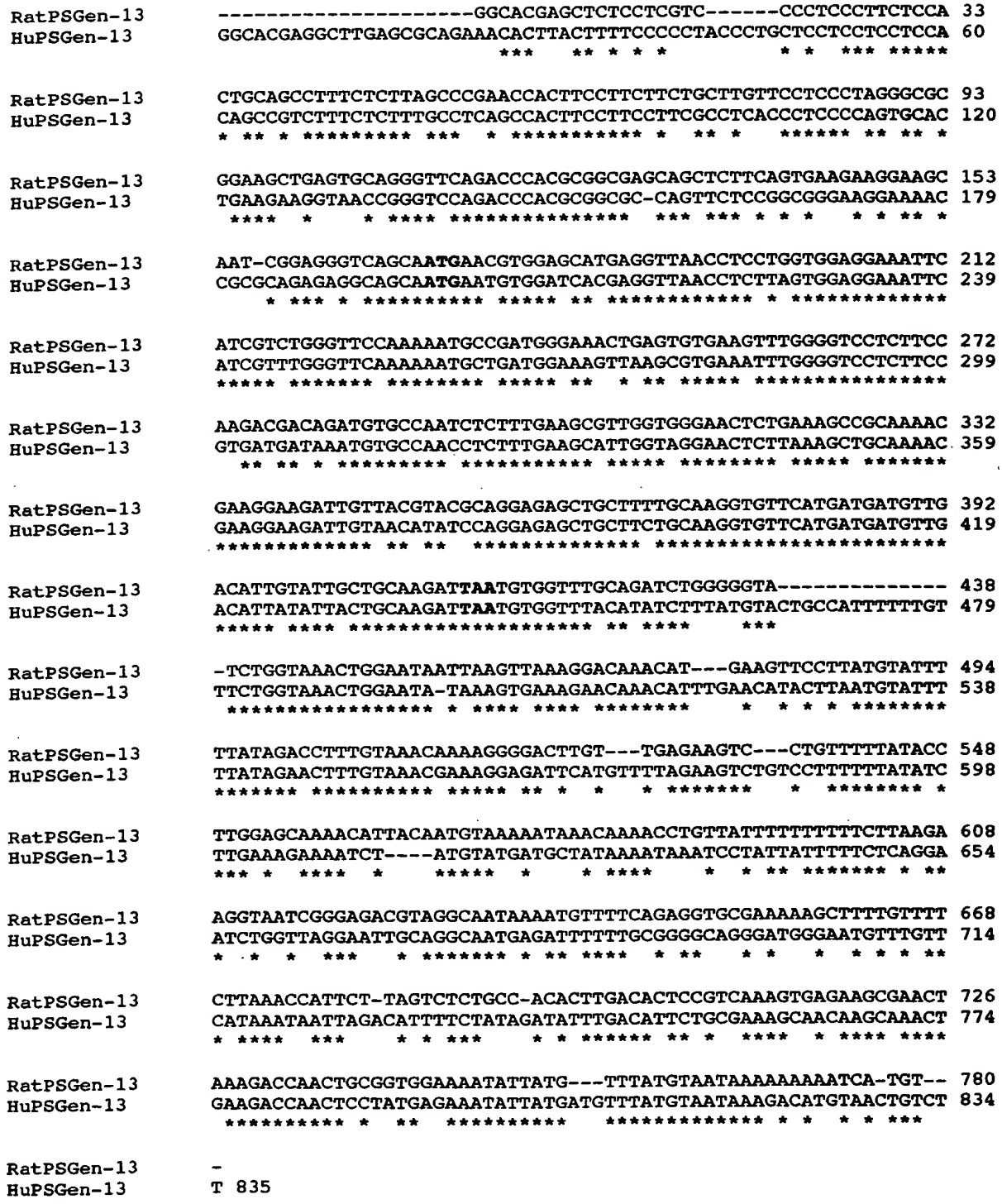
Figure 3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HuPSGen-13 GGCACGAGGCTTGAGCGCAGAAACACTTACTTTTCCCCCTACCCTGCTCCTCCTCCTCCA 60
RatPSGen-13 CTGCAGCCTTTCTCTTAGCCCGAACCACTTCCTTCTTCTGCTTGTTCCTCCCTAGGGCGC 93
HuPSGen-13 CAGCCGTCTTTCTCTTTGCCTCAGCCACTTCCTTCCTTCGCCTCACCCTCCCCAGTGCAC 120
RatPSGen-13 GGAAGCTGAGTGCAGGGTTCAGACCCACGCGGCGAGCAGCTCTTCAGTGAAGAAGGAAGC 153
HuPSGen-13 TGAAGAAGGTAACCGGGTCCAGACCCACGCGGCGC-CAGTTCTCCGGCGGGAAGGAAAAC 179
RatPSGen-13 AAT-CGGAGGGTCAGCAATGAACGTGGAGCATGAGGTTAACCTCCTGGTGGAGGAAATTC 212
HuPSGen-13 CGCGCAGAGAGGCAGCAATGAATGTGGATCACGAGGTTAACCTCTTAGTGGAGGAAATTC 239
RatPSGen-13 ATCGTCTGGGTTCCAAAAATGCCGATGGGAAACTGAGTGTGAAGTTTGGGGTCCTCTTCC 272
HuPSGen-13 ATCGTTTGGGTTCAAAAAATGCTGATGGAAAGTTAAGCGTGAAATTTGGGGTCCTCTTCC 299
RatPSGen-13 AAGACGACAGATGTGCCAATCTCTTTGAAGCGTTGGTGGGAACTCTGAAAGCCGCAAAAC 332
HuPSGen-13 GTGATGATAAATGTGCCAACCTCTTTGAAGCATTGGTAGGAACTCTTAAAGCTGCAAAAC 359
RatPSGen-13 GAAGGAAGATTGTTACGTACGCAGGAGAGCTGCTTTTGCAAGGTGTTCATGATGATGTTG 392
HuPSGen-13 GAAGGAAGATTGTAACATATCCAGGAGAGCTGCTTCTGCAAGGTGTTCATGATGATGTTG 419
RatPSGen-13 ACATTGTATTGCTGCAAGATTAATGTGGTTTGCAGATCTGGGGGTA---------- 438
HuPSGen-13 ACATTATATTACTGCAAGATTAATGTGGTTTACATATCTTTATGTACTGCCATTTTTTGT 479
RatPSGen-13 -TCTGGTAAACTGGAATAATTAAGTTAAAGGACAAACAT---GAAGTTCCTTATGTATTT 494
HuPSGen-13 TTCTGGTAAACTGGAATA-TAAAGTGAAAGAACAAACATTTGAACATACTTAATGTATTT 538
RatPSGen-13 TTATAGACCTTTGTAAACAAAAGGGGACTTGT---TGAGAAGTC---CTGTTTTTATACC 548
HuPSGen-13 TTATAGAACTTTGTAAACGAAAGGAGATTCATGTTTTAGAAGTCTGTCCTTTTTTATATC 598
RatPSGen-13 TTGGAGCAAAACATTACAATGTAAAAATAAACAAAACCTGTTATTTTTTTTTTCTTAAGA 608
HuPSGen-13 TTGAAAGAAAATCT----ATGTATGATGCTATAAAATAAATCCTATTATTTTTCTCAGGA 654
RatPSGen-13 AGGTAATCGGGAGACGTAGGCAATAAAATGTTTTCAGAGGTGCGAAAAAGCTTTTGTTTT 668
HuPSGen-13 ATCTGGTTAGGAATTGCAGGCAATGAGATTTTTTGCGGGGCAGGGATGGGAATGTTTGTT 714
RatPSGen-13 CTTAAACCATTCT-TAGTCTCTGCC-ACACTTGACACTCCGTCAAAGTGAGAAGCGAACT 726
HuPSGen-13 CATAAATAATTAGACATTTTCTATAGATATTTGACATTCTGCGAAAGCAACAAGCAAACT 774
RatPSGen-13 AAAGACCAACTGCGGTGGAAAATATTATG---TTTATGTAATAAAAAAAAATCA-TGT-- 780
HuPSGen-13 GAAGACCAACTCCTATGAGAAATATTATGATGTTTATGTAATAAAGACATGTAACTGTCT 834
RatPSGen-13 -
HuPSGen-13 T 835

Figure 4

```
RatPSGen-13     MNVEHEVNLLVEEIHRLGSKNADGKLSVKFGVLFQDDRCANLFEALVGTLKAAKRRKIVT 60
HuPSGen-13      MNVDHEVNLLVEEIHRLGSKNADGKLSVKFGVLFRDDKCANLFEALVGTLKAAKRRKIVT 60
                ***:*********************************:**:**********************

RatPSGen-13     YAGELLLQGVHDDVDIVLLQD 81
HuPSGen-13      YPGELLLQGVHDDVDIILLQD 81
                *.**************:****
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Figure 5

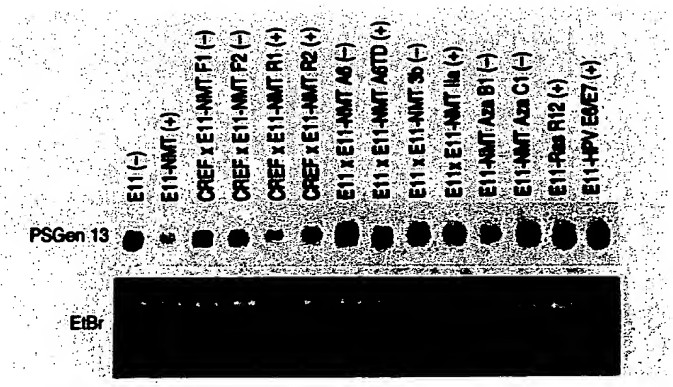

E11 (-)
E11-NMT (+)
CREF x E11-NMT F1 (-)
CREF x E11-NMT F2 (-)
CREF x E11-NMT R1 (+)
CREF x E11-NMT R2 (+)
E11 x E11-NMT A6 (-)
E11 x E11-NMT AGTD (+)
E11 x E11-NMT 3b (-)
E11x E11-NMT IIa (+)
E11-NMT Aza B1 (-)
E11-NMT Aza C1 (-)
E11-Ras R12 (+)
E11-HPV E6/E7 (+)
PSGen 13
EtBr

Figure 6

PSGen 13 Suppresses the Transformed Phenotype in E11-NMT Cells

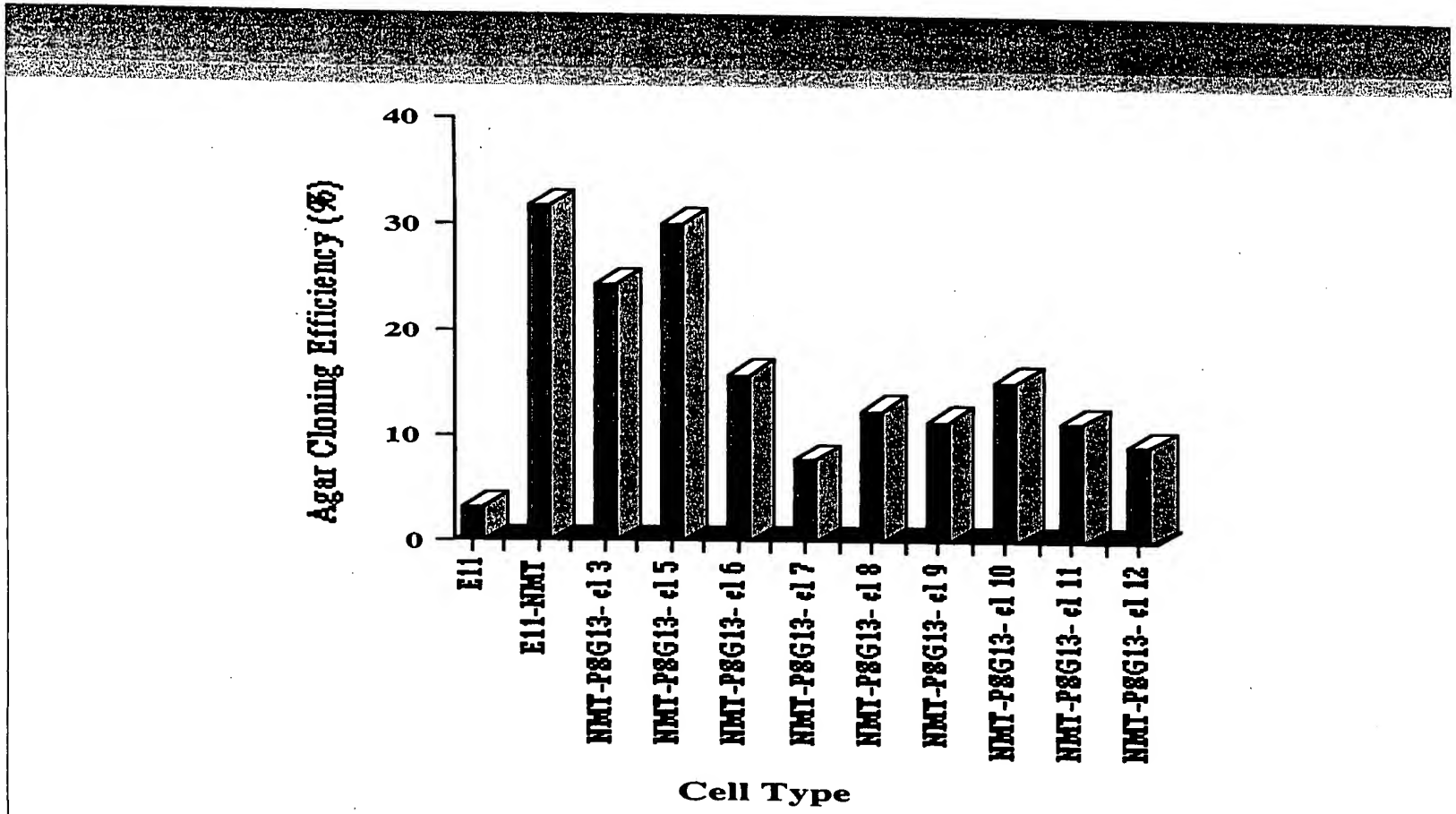


Figure 7

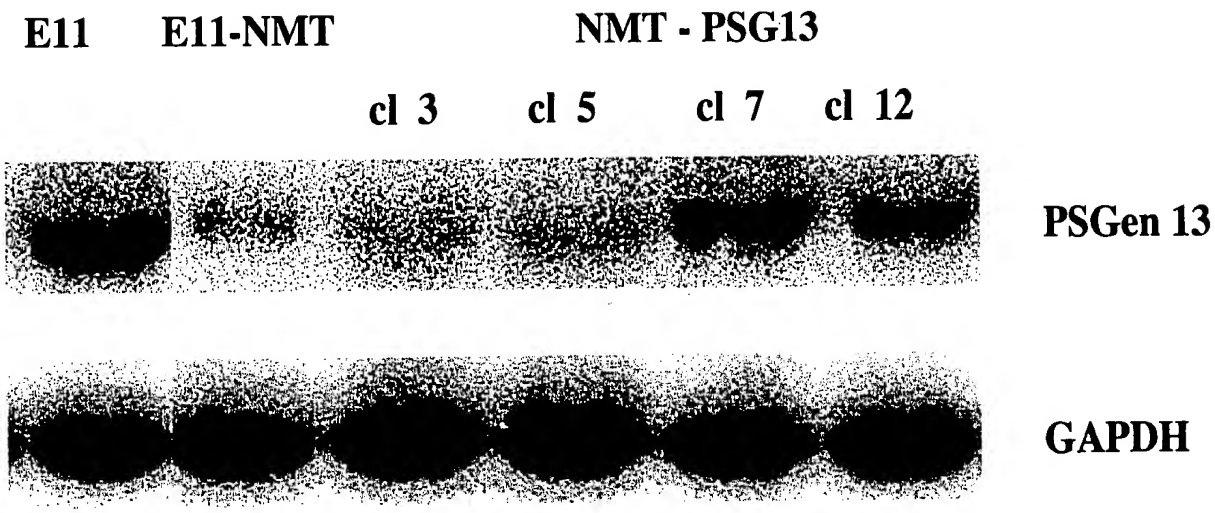
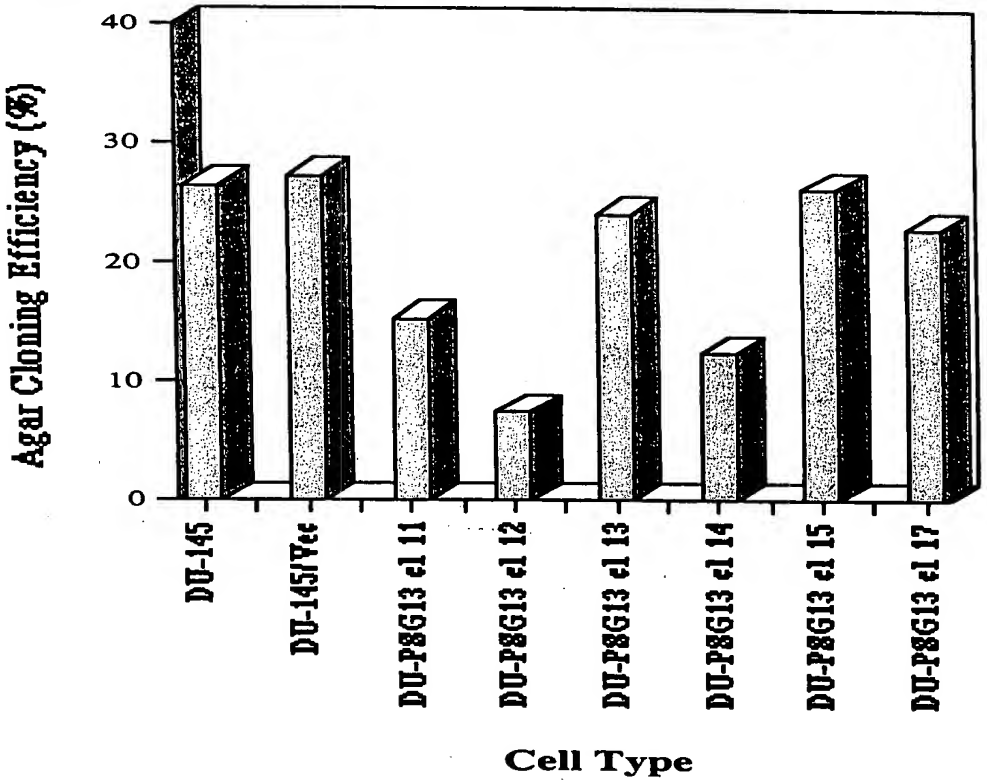


Figure 8

Rat PSGen 13 Inhibits Anchorage Independent Growth in DU-145 Cells



SCAN 11

Figure 9

PSGen 13 Suppresses PEG-3 Promoter Activity in E11-NMT Cells

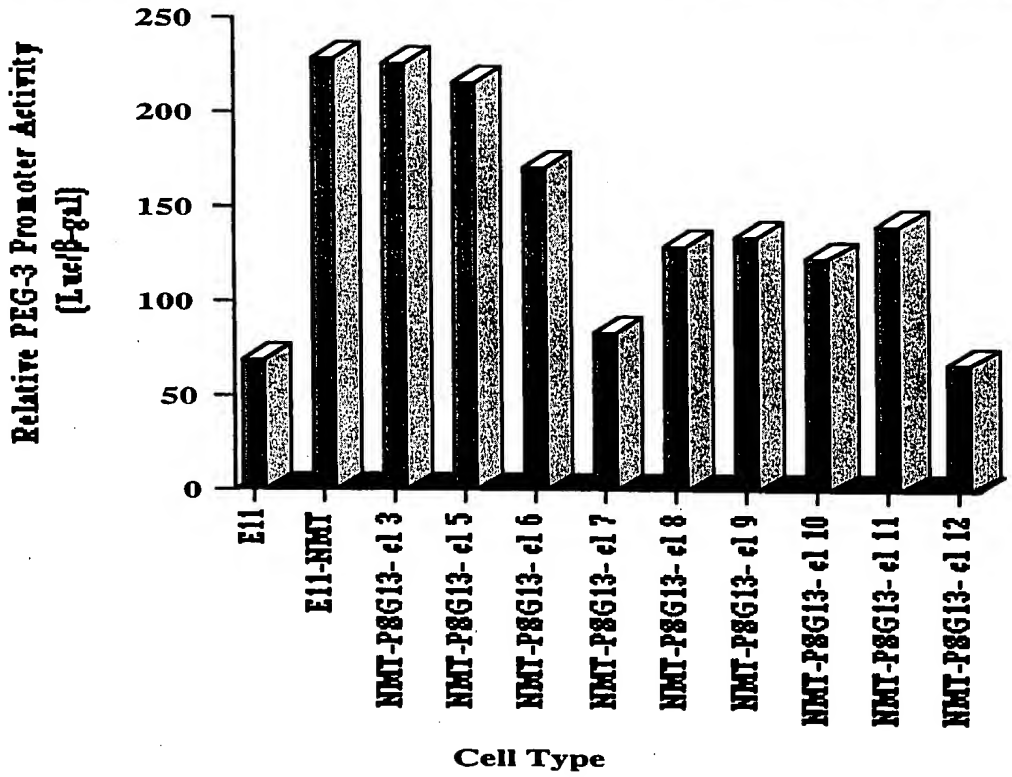


Figure 10

PSGen 13 Suppresses VEGF Promoter Activity in E11-NMT Cells